

In the claims:

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1. (Currently Amended) A rock boring device including a rotary disc cutter, wherein said rotary disc cutter is driven in an oscillating manner and ~~at least one of driven and free to nutate~~ movable in a nutating manner.

2. (Previously Amended) A rock boring device as claimed in Claim 1, wherein said rock boring device includes a mounting section for said rotary disc cutter and a driven section, and wherein said mounting section is angularly offset from an axis of said driven section whereby said rotary disc cutter will both oscillate and nutate.

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3. (Previously Amended) A rock boring machine, incorporating a rock boring device as claimed in Claim 1, wherein said rock boring device is mounted on a boom.

4. (Previously Amended) A rock boring machine as claimed in Claim 3, wherein said boom is adapted to pivot about a vertical axis.

5. (Previously Amended) A rock boring machine as claimed in Claim 3, wherein said boom is adapted to pivot about a horizontal axis.

6. (Currently Amended) A rock boring machine as claimed in Claim 3, wherein said rock boring device is supported by said boom [whereby as to be] such that said device is pivotable about an axis extending longitudinally of said boom.

7. (Previously Amended) A rock boring machine as claimed in Claim 3, wherein said rock boring device is supported to pivot relative to said boom.

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Previously Amended) A rock boring machine as claimed in Claim 3, wherein a plurality of said rock boring devices are carried by said rock boring machine.

12. (Currently Amended) A rock boring machine as claimed in Claim 3, wherein a linear cutting velocity of said rotary disc cutter is controlled by interaction with a computer that processes algorithms with variable information input being provided by strain gauges and accelerometers mounted adjacent to said rotary disc cutter.

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13. (Previously Amended) A rock boring machine as claimed in Claim 3, wherein said rock boring machine must be anchored or referenced to a position to insure too greater cut is not applied should said rock boring machine inadvertently move from the position it was in at the commencement of a cutting cycle.

14. (New) A rock boring device according to claim 1, wherein said disc cutter is driven in said nutating manner.

15. (New) A rock boring device according to claim 1, wherein said disc cutter is driven in said oscillating manner and is free to nutate.

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